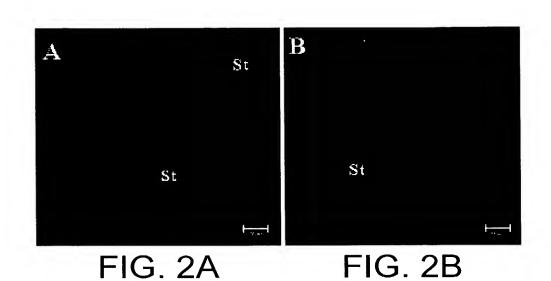
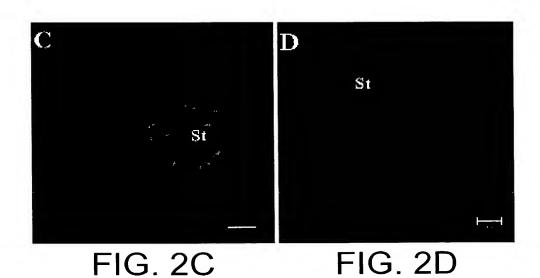
					100 cm
0 0 7 4 4	120 80 64 64	180 135 118 120	232 187 168 178	292 247 228 237	7 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
PELAGETPRI DDNSKGLERV MNRI	RVLYTAMDIV RVLYTAMDIV RIVYTAIDVL RVVYDFVNVI	PEFSPDFIII .ELGFQFVLI DKFDYIII	GEEPIKEH	VLNKPPTLAG VLNKKLTLSG VMEEKLSVPG ILDINA.DAG	Arabidopsis Chlorella Synnechocystis E. coli
IRSVLQFNRK MVFSTGNGNG	NLDLLLGLEN NLDLLLGLEN NLDLLLGLEQ NLDLIMGERR	EWLVDALKRT QNLIDSVK LVEQLK	LECDGIRDIK LEANGIYNVK LEAEDIGKIS LASKSRRAEN	IRSTNRGFPL IISTNKGEPL IISTNKGEPL LRASNQGEPV	
FVNNPSRRSP	VAIDADLGLR	LPMGFGGKAL	LRDADRVTGL	LGVIPEDSEV	.FF.SFFGG
	ALIDADIGLR	YNVTTKNM	IRDADRVAGL	LGAIPEDTSV	.LQE.FFLGEE
	VLIDADFGLR	DAINAEQMSQ	VRDADRVIGL	IGILPDDQKI	RIRRRLLGG
	VVIDFDIGLR	DADLTREGVA	VRDSDRILGI	VGVIPEDQSV	.FLKRLFGG
SQKTLISSPR	LSLARYGFSV	LLCISKPRSK	VLVTTPDITA	DVQEMLGLSL	MVEEEPKKRG
	MSIARLGYRV	LLAISKNRQK	VIVTTPEITA	DVQEMLGIPL	TSPQKGMFQK
	AALARLGKKV	LLPAAQNRSK	IIVTTPEMSA	DILDLLAVPL	FMAAHNTLLN
	TGLAQKGKKT	ILPASQTRDK	AIITTPEVSS	DVLEILTIKL	FIEEE.KK.G
HQSLLLPSSL	GKTTTTANVG	VRDKRWSNFE	ITAITPANEA	IKGEDMMSVL	.VEQDSMKAV
	GKTTTTANLG	IRDKRWKNLA	INAIASAQEA	IQKNDMMSVR	IGKQDYFIDL
	GKTTSSAAIA	VKDKRLPNLV	RNAVAPAQEA	VQLNQMISVE	EG.QDIPFLD
	****	IKDKRTENLY	ALMALYFADE	VSRGDMLSME	LGEERPFR
MASLRLFSTN	VVITSGKGGV	NGDCRIDQAL	DCPAGIDAFG	MIVNRVRTDM	LAFEQAAWRL
	IVITSGKGGV	EGQCRIDQAL	DCPAGIDVGF	LLVNRVRPDM	IAFENAARRL
	IVVTSGKGGV	EDECTIDQAL	DCPAGIEAGF	LIVNRLRPEM	LAFQNIARRL
	IVVTSGKGGV	QGDATLNQAL	DSPAGIETGF	LLLTRYNPGR	KAYADTVERL

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TITLE: TRANSGENIC PLANTS. . . GENE EXPRESSION

INVENTOR(S): RANDY DINKINS ET AL.

APPLICATION SERIAL NO: 10/067,989

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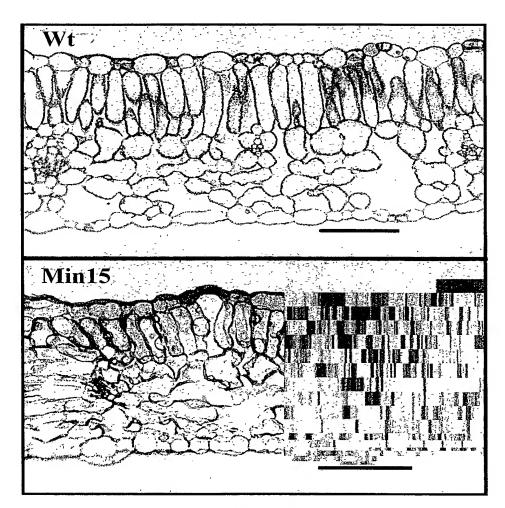


FIG. 3

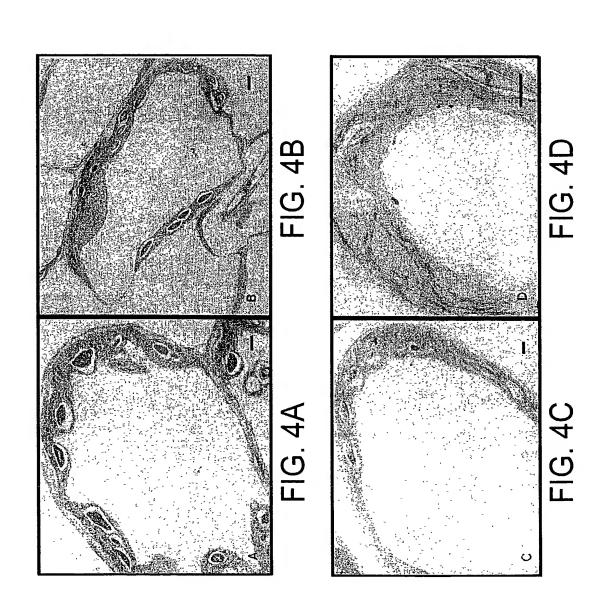
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INVENTOR(S): RANDY DINKINS ET AL.
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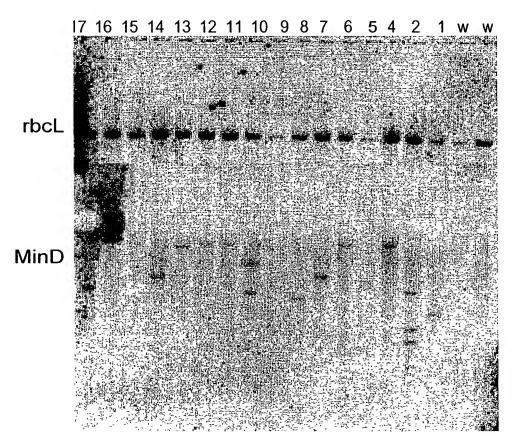


FIG. 5

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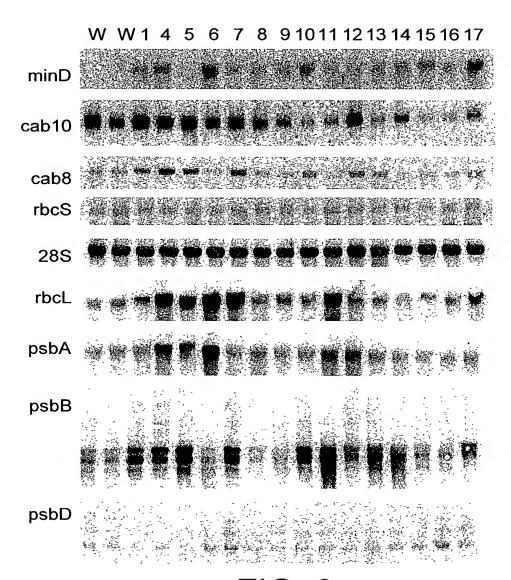


FIG. 6

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	Chlorophyll Content		Fluorescence Measurements			
Line	Total Chl (ug/mg)	Chla/b (ratio)	Fo (relative units)	Fm (relative units)	Fv/Fm (relative units)	
	(ug/mg/	(Iutio)	(Totalive diffits)	(10tativo anto)	Tolative antisj	
WT	1.99	3.11	137.4±12.0	616.6±34.0	0.777±0.015	
AtMin	4 1.71	2.64	135.7±11.8	$636.2\pm27.1$	$0.787 \pm 0.017$	
AtMin	5 1.58	3.01	$136.5 \pm 17.1$	534.9±66.1	$0.757 \pm 0.020$	
AtMin	8 1.46	3.07	128.5±32.3	489.9±78.6	$0.741 \pm 0.037$	
AtMin	9 1.66	3.00	125.5±19.9	520.5±58.3	$0.759\pm0.018$	
AtMin	10 1.53	2.95	$136.5 \pm 11.3$	543.1±14.3	$0.748 \pm 0.025$	
AtMin	17 1.44	2.71	139.5±20.6	564.9±32.7	$0.756 \pm 0.032$	
WT	1.69	3.08	105.6±14.9	441.9±58.5	0.760±0.016	
AtMin	1 1.74	2.80	$126.4 \pm 08.6$	436.7±27.2	$0.714\pm0.035$	
AtMin	12 1.60	3.11	123.4±16.6	455.3±84.4	$0.724 \pm 0.040$	
AtMin	13 1.91	3.28	115.9±17.9	441.5±64.5	$0.737 \pm 0.011$	
AtMin	14 1.59	3.07	113.6±17.2	444.1±58.2	$0.743 \pm 0.017$	
AtMin	15 1.59	2.94	119.1±19.5	433.0±45.9	$0.724 \pm 0.037$	
AtMin	16 1.71	2.89	122.1±10.7	447.7±41.0	$0.725\pm0.019$	

The measurements were taken over two days, and due to variation in the Fo and  $F_{\scriptscriptstyle M}$  measurements these were kept separate. Fluorescence measurements are averaged from eight samples.

FIG. 7

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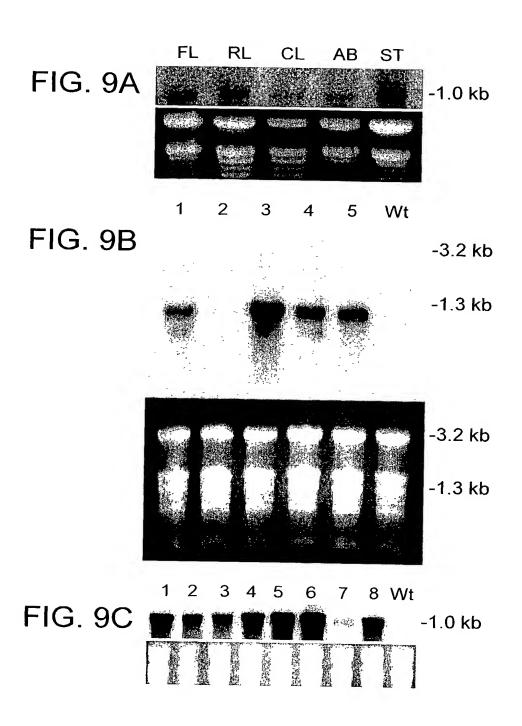
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	, 01 - 41
0 0 0 0 9 ARNTGD 48	EWRREL 48  KWREEL 47  CURKDI 46  CURKDI 47  TURKEL 122  CWRESL 122  KIVNNI 154  88  88  88  84  87  FGV 198  VPE 229
MATILLQQGTFAPHRSWSGRKGTRRVSKPTLNRLHVRSSSKAGAGPVSD MAMSSGTLRISATLVSPYHHHRNRLSLPS∳SSSK▼VDFTGFISNGVNSLETQKCTPGLAISRENTRGQVKVLARNTGD	MILELIERGESSEGKNSGEDARRIKGUTANDRSCLSPEMMEENREEL MITERFERGETSRKGSREDVKRRIKGUTANDRSCLSPEMMEENREEL MAGLDFFRSRKSONSASIAKFRICIIVAHERGOR-AQPDYLPOLKKDI MSGLIELLFGRKONSASIAKFRICIIIVAHERGOR-AQPDYLPOLKKDI MSGLIELLFGRKOKTATVARDRICIIIVADRCGITPDSLTGARESI  NELSPSPAEGEIESFLYNAINMGFFDRINLAMKLIFPSHASRRSSNARIAKGRIKMILLFGDRCDVSDEAKRKIVNNI  VELSPSPAEGEIESFLYNAINMGFFDRINLAMKLIFPSHASRRSSNARIAKGRIKMILFFGDRCDVSDEAKRKIVNNI  WENNYSKYWBID-PGEMEFSLESD-QRMTALIAMTHRRIL
нннннн	1111148 444411 20 9878847
Syne Guill Ecoli Pseudo Neiss Chlorel	Syne Guill Ecoli Pseudo Neiss Chlorel AtMinE Syne Guill Ecoli Pseudo Neiss Chlorel

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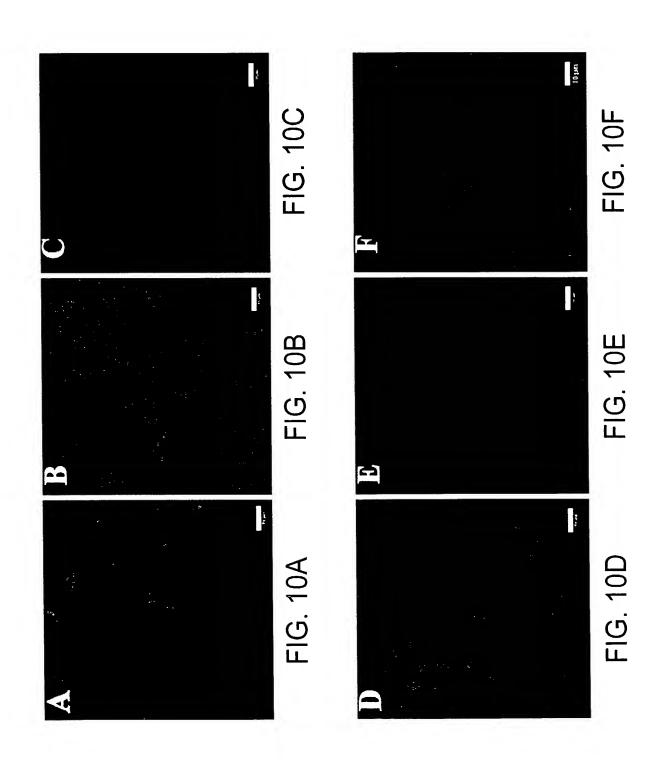
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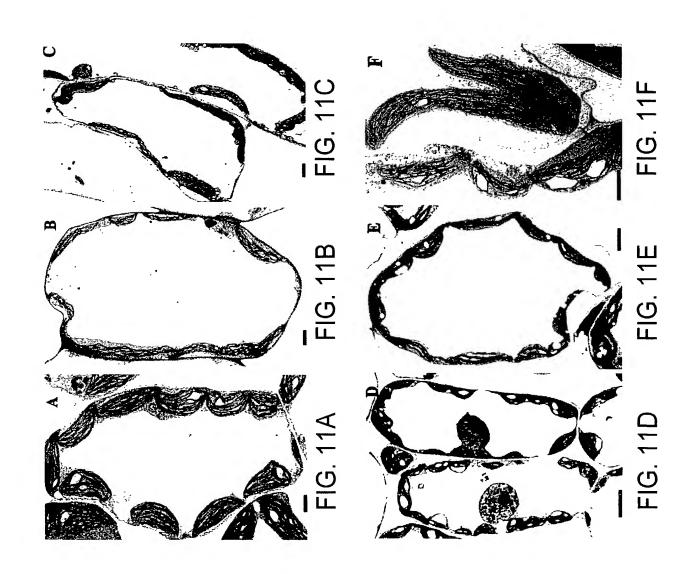
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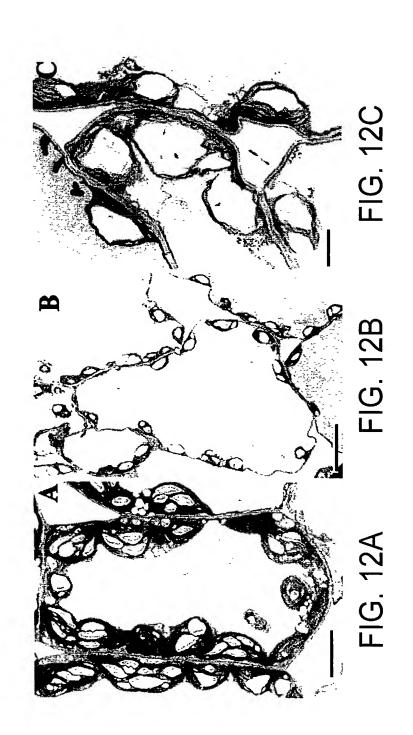


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